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**PATENT COOPERATION TREATY**  
**PCT**

**INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  2003-0656EP 05	<b>FOR FURTHER ACTION</b> <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No.  PCT/PT 03/00004	International filing date (day/month/year)  25/03/2003	(Earliest) Priority Date (day/month/year)
Applicant  IMPRENSA NACIONAL CASA DA MOEDA, S.A.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

contained in the international application in written form.

filed together with the international application in computer readable form

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2.  Certain claims were found unsearchable (See Box I)

3.  Unity of invention is lacking (see Box II).

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

as suggested by the applicant

because the applicant failed to suggest a figure

because this figure better characterizes the invention

5

None of the figures.

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/PT 03/00004

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G02B1/00 G03F7/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02B G03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, COMPENDEX, WPI Data, PAJ, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication where appropriate of the relevant passages	Relevant to claim No
X	US 2002/149751 A1 (BLOOMSTEIN THEODORE M ET AL) 17 October 2002 (2002-10-17) abstract; figures 2,4,5	1,2,4
X	WO 99 59035 A (KELSEY ADAM F ;HOBBS DOUGLAS C (US); MACLEOD BRUCE D (US); HOLOGRA) 18 November 1999 (1999-11-18) figure 1	1,2,4
X	US 2001/053608 A1 (WILLIAMS COLIN ET AL) 20 December 2001 (2001-12-20) abstract	1,2,4
X	WO 00 26703 A (BHATIA VIKRAM ;CORNING INC (US); MODAVIS ROBERT A (US)) 11 May 2000 (2000-05-11) figure 3	1,2,4

 Further documents are listed in the continuation of box C. Patent family members are listed in annex

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*Z\* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

20 November 2003

02/12/2003

Name and mailing address of the ISA

Authorized officer

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/PT 03/00004

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2002149751	A1 17-10-2002	NONE		
WO 9959035	A 18-11-1999	AU 3992899 A CA 2336481 A1 EP 1086406 A1 TW 460758 B WO 9959035 A1 US 6185019 B1		29-11-1999 18-11-1999 28-03-2001 21-10-2001 18-11-1999 06-02-2001
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WO 0026703	A 11-05-2000	AU 761179 B2 AU 6418699 A BR 9914872 A CA 2346475 A1 CN 1325495 T EP 1123520 A1 JP 2002529762 T WO 0026703 A1 US 6269208 B1		29-05-2003 22-05-2000 03-07-2001 11-05-2000 05-12-2001 16-08-2001 10-09-2002 11-05-2000 31-07-2001

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